

NC DENR

Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

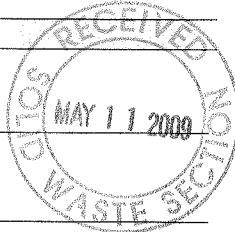
Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Buxton Environmental, Inc.



Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ross Klingman, P.G.

Phone: 704-344-1450

E-mail: buxtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: .0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Gaston Co.- Closed Auten Landfill	Monteray Park Drive Auten, North Carolina		.0500	11/25/08

Environmental Status: (Check all that apply)

Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

Groundwater monitoring data from monitoring wells
 Groundwater monitoring data from private water supply wells
 Leachate monitoring data
 Surface water monitoring data

Methane gas monitoring data
 Corrective action data (specify) _____
 Other(specify) _____

Notification attached?

- No. No groundwater or surface water standards were exceeded.
- Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Facility Representative Name (Print)

Title

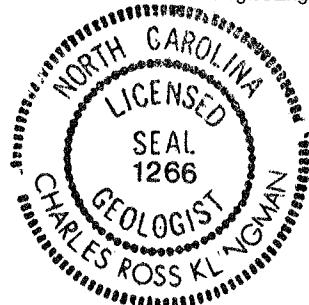
(Area Code) Telephone Number

Signature

5-7-09

Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:



SECOND SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

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SECOND SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the second semi-annual 2008 groundwater and surface water monitoring activities conducted at the Gaston County - Closed Auten Landfill located in Gaston County, North Carolina. The purpose for conducting the assessment was to monitor groundwater, surface water and hydrogeologic conditions at the subject site. A site location map and site layout map are provided in Figures 1 and 2, respectively.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCDWM) rules, NCDWM memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements, and the NCDWM guidelines dated April 2008 for groundwater and surface water sampling. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility operated from approximately 1963 until it closed in 1985.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at five shallow monitor wells MW-1 through MW-5. Groundwater samples are analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples historically collected at the site indicated several VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS's).

Due to the presence of target constituents above the NCGPS's, the NCDWM requested that additional assessment be conducted to determine the extent of affected groundwater and the existence of surrounding water supply wells. According to a March 22, 2001 *Site Assessment Activities for Auten Closed Landfill* report prepared by Resolve Environmental Services, P.A., one deep monitor well MW-5A and one background monitor well MW-6 were installed. Monitor well MW-5A was advanced adjacent to monitor well MW-5 to define the vertical extent of affected groundwater. Monitor well MW-6 was installed as a background well and was placed immediately adjacent to the former on-site landfill scale and maintenance garage along Monterey Park Drive. Groundwater samples collected at MW-5A did not indicate target constituents above the NCGPS. Monitor well MW-6 indicated the presence of 180 micrograms per liter (ug/l) arsenic, 4,600 ug/l barium, 16 ug/l cadmium, 340 ug/l chromium, 240 ug/l lead, and 18 ug/l tetrachloroethene, which were above the NCGPS's. Based on historical sampling, the metals appear to be due to turbidity or natural conditions at the site. One water supply well was identified approximately 700 feet upgradient of the former landfill.

In response to the March 2001 report, the NCDWM requested in a November 8, 2001 letter that additional assessment activities be conducted in the area of monitor well MW-6 to determine the source and extent of affected groundwater.

Based on historical assessment activities, monitor well MW-6 is located hydrogeologically upgradient of the known on-site waste boundary and is immediately downgradient of a former off-site "stump dump". The "stump dump" was not owned or operated by Gaston County. Buxton Environmental, Inc. submitted a *Work Plan to Assess Affected Groundwater Detected at Monitor Well MW-6* to the NCSWM on February 8, 2002. The NCSWM approved the plan, with minor revisions outlined in their February 27, 2002 letter.

From May 12 through 14, 2003, three shallow temporary monitor wells TW-1, TW-2 and TW-3 were installed along the property boundary immediately upgradient of monitor well MW-6 and downgradient of the off-site "stump-dump. The findings of this assessment are presented in a June 24, 2003 *Groundwater Delineation and First Semi-Annual 2003 Groundwater and Surface Water Monitoring Event* report prepared by Buxton Environmental, Inc. Groundwater sample TW-2 indicated the presence of tetrachloroethene, and groundwater sample TW-3 indicated tetrachloroethene and trichloroethene above the NCGPS's. Groundwater sample TW-1 did not indicate the presence of target constituents above the NCGPS's. Based on groundwater analytical data and shallow groundwater flow direction, the former off-site "stump dump" area

located upgradient and the immediate south of the site appears to be a potential source for VOC affected groundwater historically detected at monitor well MW-6. Several discarded drums and car part debris associated with the “stump dump” were also identified immediately upgradient of temporary monitor wells TW-2 and TW-3 during the May 16, 2004 sampling event.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On November 25, 2008, Buxton Environmental, Inc. conducted the second semi-annual 2008 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at six shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6, one deep monitor well MW-5A, and two temporary wells TW-2 and TW-3. Due to recent drought conditions, temporary monitor well TW-1 was dry and was unable to be sampled. Surface water samples, Upstream and Downstream, were also collected during these activities.

Prior to conducting the sampling activities, groundwater levels were obtained from each well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. For quality control purposes, one trip blank prepared by the laboratory was analyzed for Appendix I VOC's. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in West Columbia, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

A new stand-up well cover should be installed and upper 2 feet of surface casing should be replaced at MW-1, since the well has recently been damaged by bullet holes. The lock to the well lid at monitor well MW-6 was missing and should be replaced. A new stand-up well cover should be installed at temporary well TW-1, since the lid has been knocked off. The damage to the above wells is the result of vandalism.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on during the second semi-annual 2008 monitoring event, the general shallow groundwater flow on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site “stump dump” area toward the Auten Landfill. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.02 feet per feet (ft/ft) was observed between shallow monitor wells TW-3 and MW-2. An upward vertical gradient of 0.02 ft/ft was observed between nested monitor wells MW-5 and MW-5A. Upward vertical gradients are generally associated with groundwater discharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the second semi-annual 2008 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGPS's, which are summarized below. Groundwater sample MW-1 indicated the presence of 530 ug/l lead. Groundwater sample MW-2 indicated the presence of 3.4 ug/l benzene, 21 ug/l 1,4-dichlorobenzene and 0.42J ug/l vinyl chloride (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)). Groundwater sample MW-3 indicated the presence of 1.5 ug/l benzene and 0.88J ug/l vinyl chloride. Groundwater sample MW-5 indicated the presence of 2.4 ug/l benzene, 18 ug/l 1,4-dichlorobenzene and 0.7J ug/l vinyl chloride. Groundwater sample MW-6 indicated the presence of 4.2 ug/l tetrachloroethene. Groundwater sample TW-2 indicated the presence of 2 ug/l tetrachloroethene, 68 ug/l arsenic, 7,000 ug/l barium, 6.4 ug/l cadmium, 490 ug/l chromium, 200 ug/l lead and 23 ug/l silver. Groundwater sample TW-3 indicated the presence of 2.1 ug/l tetrachloroethene, 2.1 ug/l cadmium and 21 ug/l lead.

The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS's.

The trip blank did not indicate the presence of VOC's above method detection limits.

6.0 CONCLUSIONS

On November 25, 2008, Buxton Environmental, Inc. conducted the second semi-annual 2008 groundwater and surface water monitoring activities at the Closed Auten Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- The general shallow groundwater flow direction on the western side of the site is to the north northwest toward Long Creek and is to the east and northeast toward Long Creek and Burton Branch Creek on the eastern side of the site. Shallow groundwater flows to the north northwest and east from the former off-site “stump dump” area toward the Auten Landfill.
- Groundwater samples collected at monitor wells MW-1, MW-2, MW-3, MW-5 and MW-6, and temporary wells TW-2 and TW-3 indicated the presence of target constituents above the NCGPS's.
- The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS's.

7.0 RECOMMENDATIONS

Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Auten Landfill. The next sampling event is anticipated to be conducted in May 2009.
- A copy of this report should be forwarded to the NCDWM for their review.

FIGURES



Scale

0 Feet 2,000

Source: United States Geological Survey, 1993 Gastonia North,
1993 Mount Holly, North Carolina Quadrangles

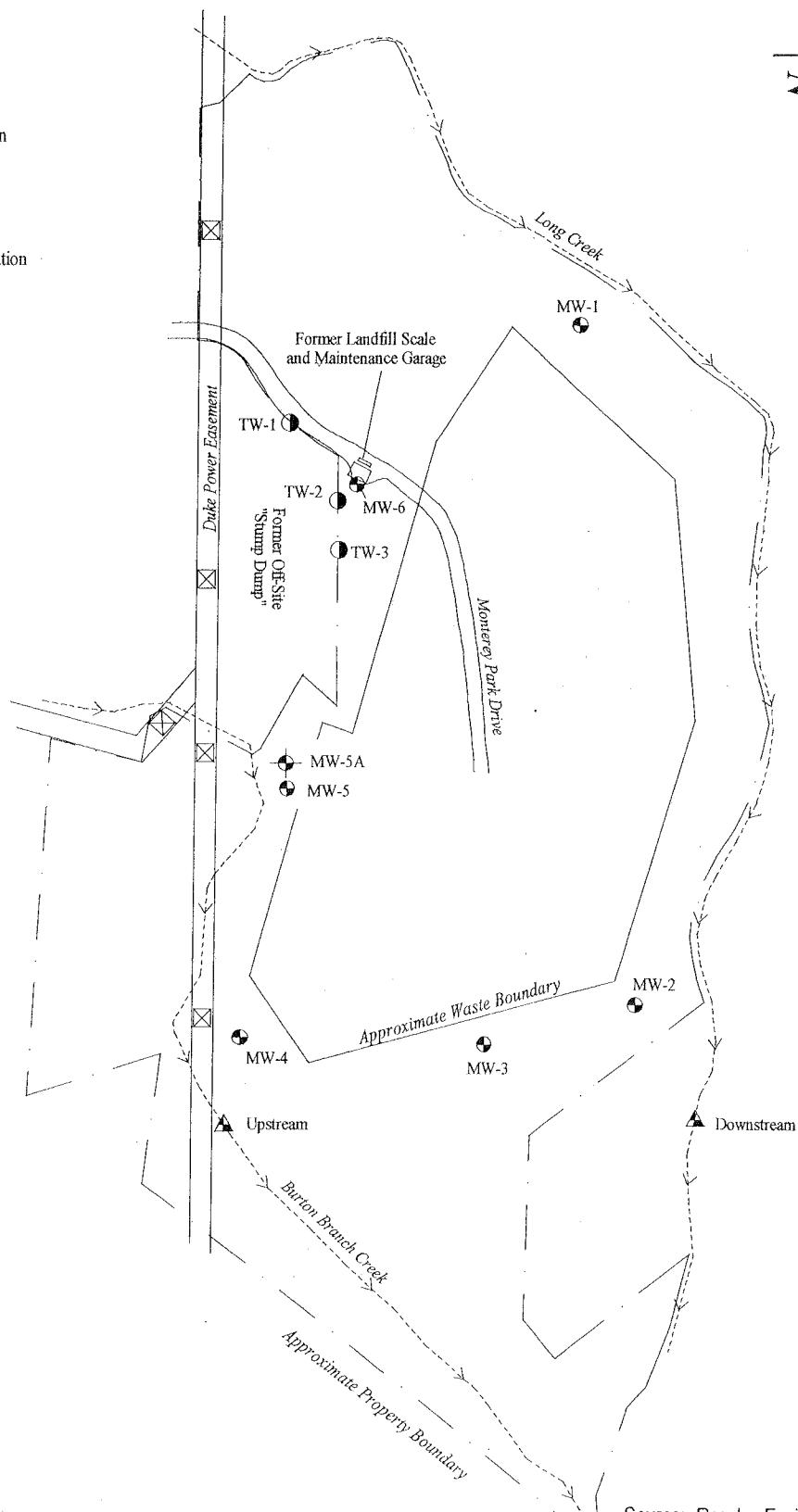
Gaston County
Closed Auten Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 1.
Site Location Map

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surfacewater Sample Location
- Temporary Monitor Well Location



Scale

0 Feet 600

mf.sketch:autenla

Gaston County
Closed Auten Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 2.
Site Layout Map

Source: Resolve Environmental Services,
P.A. Site Layout Map

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- Temporary Monitor Well Location
- ▲ Surface Water Sample Location

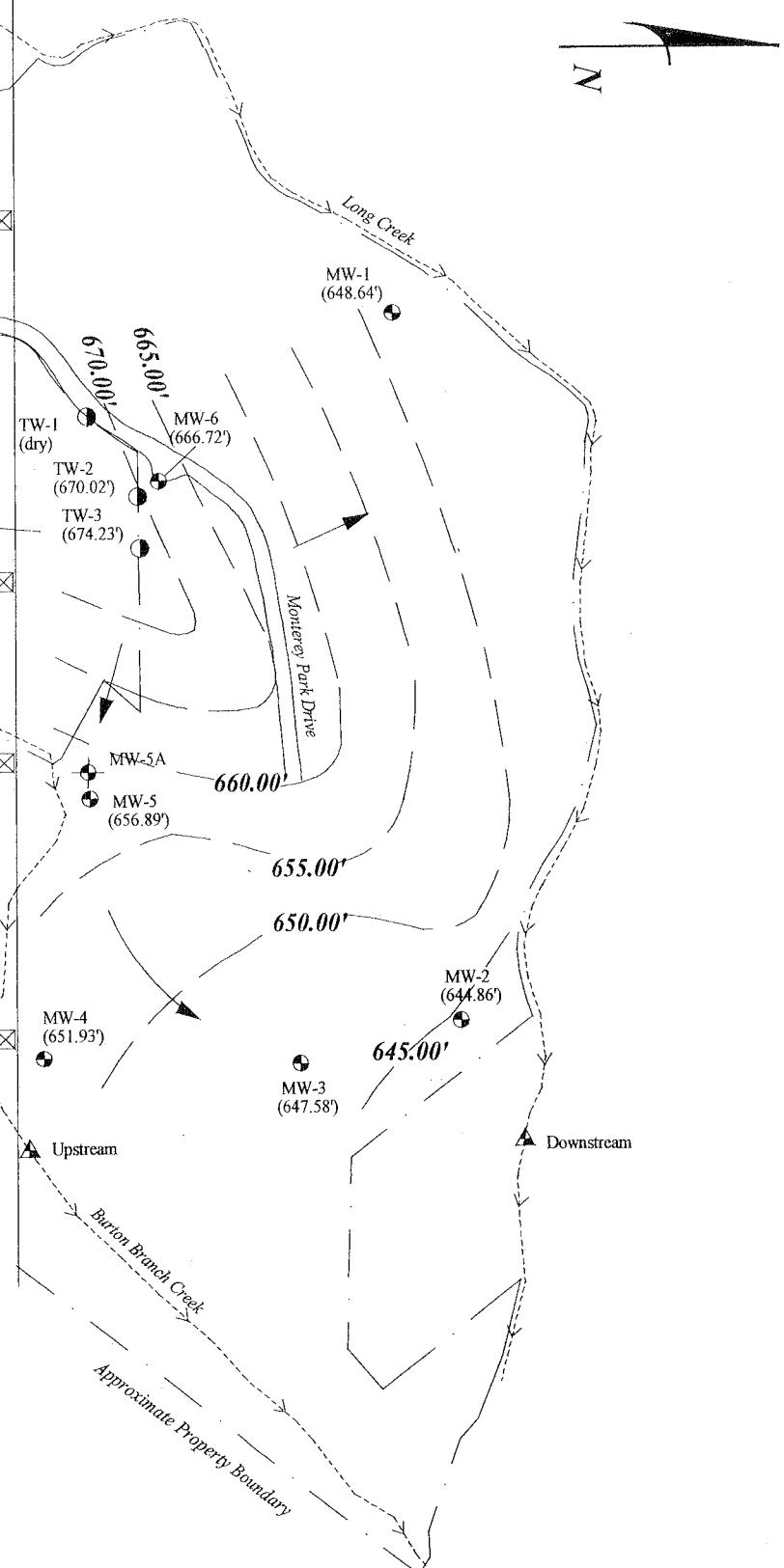
650.00' Shallow Groundwater Potentiometric Line

Shallow Groundwater Flow Direction

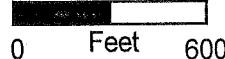
Water levels obtained on November 25, 2008
to the nearest 0.01 foot with
a depth-to-water electrode.

Former Off-Site
"Stump Dump"

Duke Power Easement



Scale



0 Feet 600

Gaston County
Closed Auten Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 3.
Shallow Groundwater Flow
Second Semi-Annual 2008

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- Temporary Well Location
- ▲ Surfacewater Sample Location

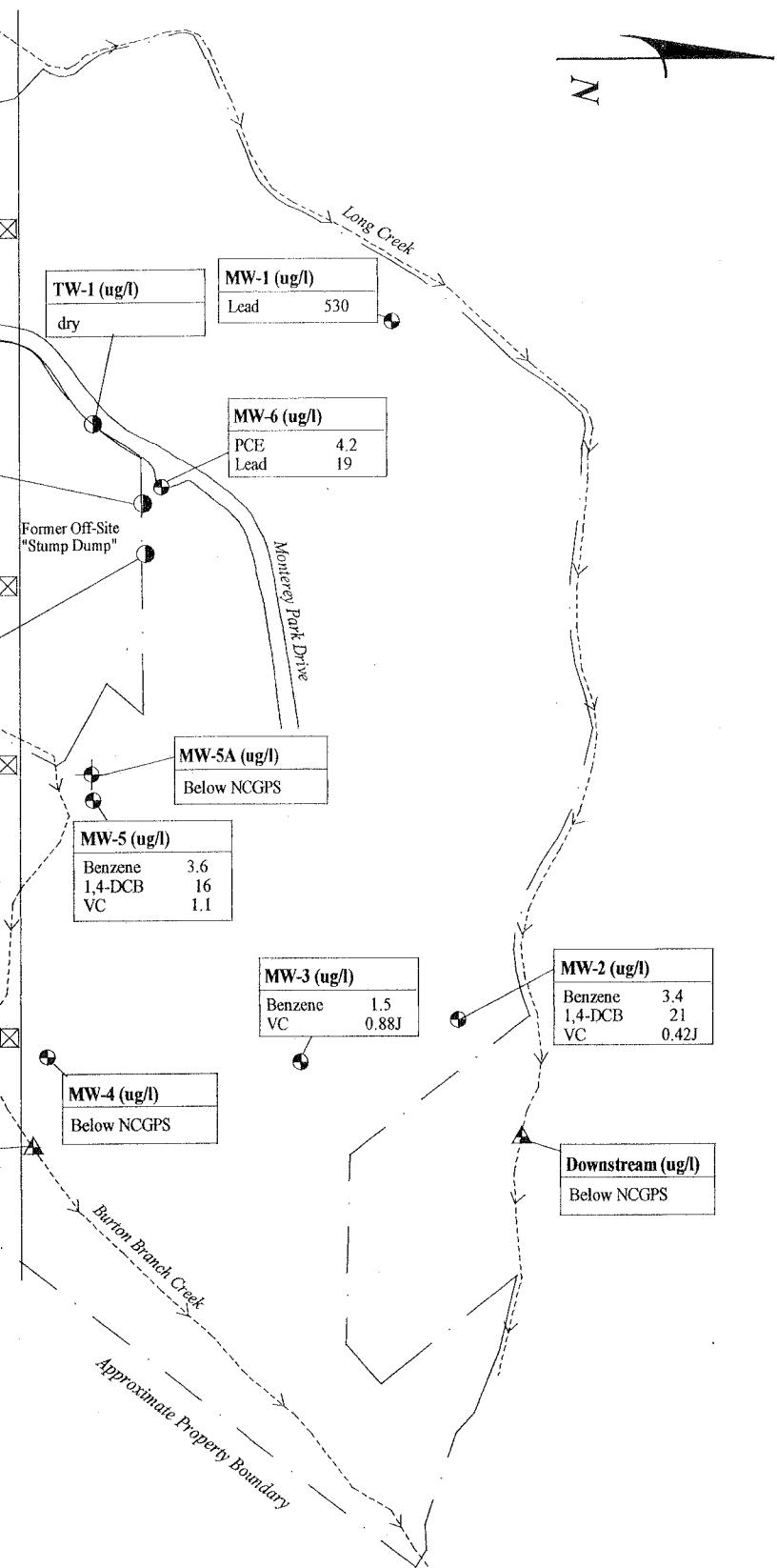
Groundwater and surface water samples collected November 25, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc.

PCE = Tetrachloroethylene
 VC = Vinyl Chloride
 BDL = below detection limit
 ug/l = microgram per liter
 J = estimated result <PQL and >=MDL

Only constituents detected above North Carolina Groundwater Protection Standards (NCGPS's) presented.

TW-2 (ug/l)	
PCE	2
Arsenic	68
Barium	7,000
Cadmium	6.4
Chromium	490
Lead	200
Silver	23

TW-3 (ug/l)	
PCE	2.1
Cadmium	2.1
Lead	21



rcksketch:augw506

Gaston County
 Closed Auten Landfill
 Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 4.
 Groundwater Analytical Results
 Second Semi-Annual 2008

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 25, 2008

<i>Well ID</i>	<i>TD BTOC (ft)</i>	<i>TOC Elevation (ft)</i>	<i>DTW BTOC (ft)</i>	<i>DTW Elevation (ft)</i>
MW-1	17.50	657.71	9.07	648.64
MW-2	27.80	660.80	15.94	644.86
MW-3	29.50	668.87	21.29	647.58
MW-4	23.50	662.15	10.22	651.93
MW-5	21.50	667.67	10.78	656.89
MW-5A	54.00	668.32	10.85	657.47
MW-6	46.00	700.54	33.82	666.72
TW-1	37.50	708.75	dry	dry
TW-2	40.00	709.58	39.56	670.02
TW-3	45.50	715.82	41.59	674.23

Notes:

Depth to water measurements collected on November 25, 2008 to nearest 0.01 foot with a depth to water electrode.

TD=total depth; BTOC=below top of casing; TOC=top of casing; DTW=depth to water; ft=feet

TOC elevations at MW-1, MW-2, MW-3 and MW-4 are relative to mean sea level

and were surveyed by Robinson & Sawyer, Inc. on August 24, 1994.

TOC elevations at MW-5A and MW-6 were determined by Resolve Environmental Services
on May 3, 2001 relative to existing well elevations.

TOC elevations at TW-2 and TW-3 were determined by Buxton Environmental, Inc.
on May 14, 2003 relative to TOC at MW-6.

TOC elevations at MW-5 and TW-1 were determined by Buxton Environmental, Inc.
on December 4, 2003 following repairs to these wells.

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 25, 2008

Sample ID	Field Parameters		
	pH (standard units)	K (uS)	T (fahrenheit)
MW-1	6.6	390	62
MW-2	6.7	1,350	63
MW-3	6.5	700	63
MW-4	6.8	470	70
MW-5	6.5	540	63
MW-5A	7.3	260	62
MW-6	7.4	170	60
TW-1	dry	dry	dry
TW-2	7.5	180	58
TW-3	7.3	180	60
Upstream	7.8	190	50
Downstream	7.3	120	51

Notes:

Field parameters collected on November 25, 2008

T=temperature;K=conductivity

uS = microsiemens

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 25, 2008

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-5A	MW-6	MW-7	MW-2	MW-3	NCGPS
Appendix I VOC's											
Acetone	BDL	10J	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	700
Benzene	BDL	3.4	1.5	0.56J	2.4	BDL	BDL	NT	BDL	BDL	1
Chlorobenzene	1	6.6	BDL	BDL	10	BDL	BDL	NT	BDL	BDL	50
1,2-Dichlorobenzene	BDL	1.7	BDL	BDL	3.1	BDL	BDL	NT	BDL	BDL	24
1,4-Dichlorobenzene	0.57J	21	1.2	0.9IJ	18	BDL	BDL	NT	BDL	BDL	1.4
1,1-Dichloroethane	BDL	0.64J	0.17J	0.2IJ	0.35J	BDL	0.18J	NT	BDL	0.15J	70
cis-1,2-Dichloroethene	0.12J	1.2	0.9IJ	0.4IJ	0.85J	BDL	1.3	NT	BDL	BDL	70
1,2-Dichloropropane	BDL	0.52J	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	0.51
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	0.27J	280
4-Methyl-2-Pentanone	BDL	0.4J	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	560
Tetrachloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	4.2	NT	2.1	2.1	0.7
Toluene	1	0.4J	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.72J	NT	BDL	BDL	2.8
Vinyl Chloride	BDL	0.42J	0.88J	BDL	0.71J	BDL	BDL	NT	BDL	BDL	0.015
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	530
RCRA Metals											
Arsenic	BDL	11	BDL	BDL	4.5J	BDL	4.7J	NT	68	4.4	50
Barium	74	580	65	77	150	76	210	NT	7,000	410	2,000
Cadmium	BDL	0.94J	1.2J	3.3	0.64J	BDL	2.7	NT	6.4	2.1	1.75
Chromium	BDL	BDL	BDL	BDL	BDL	BDL	15	NT	490	20	50
Lead	530	14	10	5.8	8.1	4.2	19	NT	200	21	15
Mercury	BDL	BDL	BDL	0.056J	BDL	BDL	BDL	NT	0.073J	0.063J	1.05
Selenium	BDL	8.8	17	BDL	14	BDL	3.7J	NT	44	3.4J	50
Silver	BDL	0.62J	0.84J	0.53J	0.65J	BDL	1.1J	NT	23	0.43J	17.5

Notes:

Groundwater samples collected on November 25, 2008 and analyzed for above parameters by Shealy Environmental Services, Inc. in W. Columbia, SC.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (µg/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

NT = not tested, well dry

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA
NOVEMBER 25, 2008

<i>Sample ID</i>	<i>Upstream</i>	<i>Downstream</i>	<i>NCGPS</i>
<i>Appendix I VOC's</i>	BDL	BDL	NA
<i>RCRA Metals</i>			
Barium	55	30	2,000
Chromium	5.4	6.3	50
Lead	4.4	2.8J	15
Mercury	BDL	0.058J	1.05
Selenium	3.4J	BDL	50

Notes:

Surface water samples collected November 25, 2008 and analyzed for above parameters by Shealy Environmental Services, Inc. in W. Columbia, SC.

BDL = below detection limit

NA = not applicable

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

data presented in micrograms per liter (ug/l)

J = estimated result <PQL and >=MDL

APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: **Gaston Co - Auten Landfill**

Lot Number: **JK26047**
Date Completed: **12/03/2008**



Michael Casalena
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

• • • • • • • •

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative Buxton Environmental Lot Number: JK26047

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Buxton Environmental Lot Number: JK26047

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	11/25/2008 1215	11/26/2008
002	MW-2	Aqueous	11/25/2008 1245	11/26/2008
003	MW-3	Aqueous	11/25/2008 1300	11/26/2008
004	MW-4	Aqueous	11/25/2008 1330	11/26/2008
005	MW-5	Aqueous	11/25/2008 1400	11/26/2008
006	MW-5A	Aqueous	11/25/2008 1430	11/26/2008
007	MW-6	Aqueous	11/25/2008 1145	11/26/2008
008	TW-2	Aqueous	11/25/2008 1100	11/26/2008
009	TW-3	Aqueous	11/25/2008 1130	11/26/2008
010	Upstream	Aqueous	11/25/2008 1500	11/26/2008
011	Downstream	Aqueous	11/25/2008 1230	11/26/2008
012	Trip Blank	Aqueous	11/26/2008 1610	11/26/2008

(12 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

**Executive Summary
Buxton Environmental
Lot Number: JK26047**

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Chlorobenzene	8260B	1.0		ug/L	7
001	MW-1	Aqueous	1,4-Dichlorobenzene	8260B	0.57	J	ug/L	7
001	MW-1	Aqueous	cis-1,2-Dichloroethene	8260B	0.12	J	ug/L	7
001	MW-1	Aqueous	Toluene	8260B	1.0		ug/L	7
001	MW-1	Aqueous	Barium	6010B	0.074		mg/L	9
001	MW-1	Aqueous	Lead	6010B	0.53		mg/L	9
002	MW-2	Aqueous	Acetone	8260B	10	J	ug/L	10
002	MW-2	Aqueous	Benzene	8260B	3.4		ug/L	10
002	MW-2	Aqueous	Chlorobenzene	8260B	6.6		ug/L	10
002	MW-2	Aqueous	1,2-Dichlorobenzene	8260B	1.7		ug/L	10
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	21		ug/L	10
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	0.64	J	ug/L	10
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	1.2		ug/L	10
002	MW-2	Aqueous	1,2-Dichloroproppane	8260B	0.52	J	ug/L	10
002	MW-2	Aqueous	4-Methyl-2-pentanone	8260B	0.40	J	ug/L	10
002	MW-2	Aqueous	Toluene	8260B	0.40	J	ug/L	10
002	MW-2	Aqueous	Vinyl chloride	8260B	0.42	J	ug/L	11
002	MW-2	Aqueous	Arsenic	6010B	0.011		mg/L	12
002	MW-2	Aqueous	Barium	6010B	0.58		mg/L	12
002	MW-2	Aqueous	Cadmium	6010B	0.00094	J	mg/L	12
002	MW-2	Aqueous	Lead	6010B	0.014		mg/L	12
002	MW-2	Aqueous	Selenium	6010B	0.0088		mg/L	12
002	MW-2	Aqueous	Silver	6010B	0.00062	J	mg/L	12
003	MW-3	Aqueous	Benzene	8260B	1.5		ug/L	13
003	MW-3	Aqueous	1,4-Dichlorobenzene	8260B	1.2		ug/L	13
003	MW-3	Aqueous	1,1-Dichloroethane	8260B	0.17	J	ug/L	13
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	0.91	J	ug/L	13
003	MW-3	Aqueous	Vinyl chloride	8260B	0.88	J	ug/L	14
003	MW-3	Aqueous	Barium	6010B	0.065		mg/L	15
003	MW-3	Aqueous	Cadmium	6010B	0.0012	J	mg/L	15
003	MW-3	Aqueous	Lead	6010B	0.010		mg/L	15
003	MW-3	Aqueous	Selenium	6010B	0.017		mg/L	15
003	MW-3	Aqueous	Silver	6010B	0.00084	J	mg/L	15
004	MW-4	Aqueous	Benzene	8260B	0.56	J	ug/L	16
004	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	0.91	J	ug/L	16
004	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.21	J	ug/L	16
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.41	J	ug/L	16
004	MW-4	Aqueous	Barium	6010B	0.077		mg/L	18
004	MW-4	Aqueous	Cadmium	6010B	0.0033		mg/L	18
004	MW-4	Aqueous	Lead	6010B	0.0058		mg/L	18
004	MW-4	Aqueous	Mercury	7470A	0.000056	J	mg/L	18
004	MW-4	Aqueous	Silver	6010B	0.00053	J	mg/L	18
005	MW-5	Aqueous	Benzene	8260B	2.4		ug/L	19
005	MW-5	Aqueous	Chlorobenzene	8260B	10		ug/L	19
005	MW-5	Aqueous	1,2-Dichlorobenzene	8260B	3.1		ug/L	19

Executive Summary (Continued)

Lot Number: JK26047

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	MW-5	Aqueous	1,4-Dichlorobenzene	8260B	18	J	ug/L	19
005	MW-5	Aqueous	1,1-Dichloroethane	8260B	0.35	J	ug/L	19
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	0.85	J	ug/L	19
005	MW-5	Aqueous	Vinyl chloride	8260B	0.71	J	ug/L	20
005	MW-5	Aqueous	Arsenic	6010B	0.0045	J	mg/L	21
005	MW-5	Aqueous	Barium	6010B	0.15		mg/L	21
005	MW-5	Aqueous	Cadmium	6010B	0.00064	J	mg/L	21
005	MW-5	Aqueous	Lead	6010B	0.0081		mg/L	21
005	MW-5	Aqueous	Selenium	6010B	0.014		mg/L	21
005	MW-5	Aqueous	Silver	6010B	0.00065	J	mg/L	21
006	MW-5A	Aqueous	Barium	6010B	0.076		mg/L	24
006	MW-5A	Aqueous	Lead	6010B	0.0042		mg/L	24
007	MW-6	Aqueous	1,1-Dichloroethane	8260B	0.18	J	ug/L	25
007	MW-6	Aqueous	cis-1,2-Dichloroethene	8260B	1.3		ug/L	25
007	MW-6	Aqueous	Tetrachloroethene	8260B	4.2		ug/L	25
007	MW-6	Aqueous	Trichloroethene	8260B	0.72	J	ug/L	25
007	MW-6	Aqueous	Arsenic	6010B	0.0047	J	mg/L	27
007	MW-6	Aqueous	Barium	6010B	0.21		mg/L	27
007	MW-6	Aqueous	Cadmium	6010B	0.0027		mg/L	27
007	MW-6	Aqueous	Chromium	6010B	0.015		mg/L	27
007	MW-6	Aqueous	Lead	6010B	0.019		mg/L	27
007	MW-6	Aqueous	Selenium	6010B	0.0037	J	mg/L	27
007	MW-6	Aqueous	Silver	6010B	0.0011	J	mg/L	27
008	TW-2	Aqueous	Tetrachloroethene	8260B	2.0		ug/L	28
008	TW-2	Aqueous	Arsenic	6010B	0.068		mg/L	30
008	TW-2	Aqueous	Barium	6010B	7.0		mg/L	30
008	TW-2	Aqueous	Cadmium	6010B	0.0064		mg/L	30
008	TW-2	Aqueous	Chromium	6010B	0.49		mg/L	30
008	TW-2	Aqueous	Lead	6010B	0.20		mg/L	30
008	TW-2	Aqueous	Mercury	7470A	0.000073	J	mg/L	30
008	TW-2	Aqueous	Selenium	6010B	0.044		mg/L	30
008	TW-2	Aqueous	Silver	6010B	0.023		mg/L	30
009	TW-3	Aqueous	1,1-Dichloroethane	8260B	0.15	J	ug/L	31
009	TW-3	Aqueous	2-Hexanone	8260B	0.27	J	ug/L	31
009	TW-3	Aqueous	Tetrachloroethene	8260B	2.1		ug/L	31
009	TW-3	Aqueous	Arsenic	6010B	0.0044	J	mg/L	33
009	TW-3	Aqueous	Barium	6010B	0.41		mg/L	33
009	TW-3	Aqueous	Cadmium	6010B	0.0021		mg/L	33
009	TW-3	Aqueous	Chromium	6010B	0.020		mg/L	33
009	TW-3	Aqueous	Lead	6010B	0.021		mg/L	33
009	TW-3	Aqueous	Mercury	7470A	0.000063	J	mg/L	33
009	TW-3	Aqueous	Selenium	6010B	0.0034	J	mg/L	33
009	TW-3	Aqueous	Silver	6010B	0.00043	J	mg/L	33
010	Upstream	Aqueous	Barium	6010B	0.055		mg/L	36
010	Upstream	Aqueous	Chromium	6010B	0.0054		mg/L	36
010	Upstream	Aqueous	Lead	6010B	0.0044		mg/L	36
010	Upstream	Aqueous	Selenium	6010B	0.0034	J	mg/L	36
011	Downstream	Aqueous	Barium	6010B	0.030		mg/L	39

Executive Summary (Continued)

Lot Number: JK26047

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
011	Downstream	Aqueous	Chromium	6010B	0.0063		mg/L	39
011	Downstream	Aqueous	Lead	6010B	0.0028	J	mg/L	39
011	Downstream	Aqueous	Mercury	7470A	0.000058	J	mg/L	39

(96 detections)

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 11/25/2008 1215

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1516	Analyst DLB	Prep Date	Batch 90938		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	1.0		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	0.57	J	1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	0.12	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	1.0		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 11/25/2008 1215

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1516	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		101	70-130					
Bromofluorobenzene		102	70-130					
Toluene-d8		104	70-130					

PQL = Practical quantitation limit

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J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 11/25/2008 1215

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2233	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0155	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND	0.0050	0.0040	mg/L	1	
Barium	7440-39-3	6010B	0.074	0.025	0.0075	mg/L	1	
Cadmium	7440-43-9	6010B	ND	0.0020	0.00060	mg/L	1	
Chromium	7440-47-3	6010B	ND	0.0050	0.0021	mg/L	1	
Lead	7439-92-1	6010B	0.53	0.0030	0.0019	mg/L	1	
Mercury	7439-97-6	7470A	ND	0.00010	0.000053	mg/L	1	
Selenium	7782-49-2	6010B	ND	0.0050	0.0026	mg/L	1	
Silver	7440-22-4	6010B	ND	0.0050	0.00040	mg/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 11/25/2008 1245

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1539	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	10	J	20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	3.4		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	6.6		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	1.7		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	21		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.64	J	1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.2		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	0.52	J	1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	0.40	J	10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	0.40	J	1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

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J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 11/25/2008 1245

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1539	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	0.42	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		99	70-130					
Bromofluorobenzene		103	70-130					
Toluene-d8		107	70-130					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental	Laboratory ID: JK26047-002
Description: MW-2	Matrix: Aqueous
Date Sampled: 11/25/2008 1245	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2234	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0159	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.011		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.58		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.00094	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.014		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.0088		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00062	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-003

Description: MW-3

Matrix: Aqueous

Date Sampled: 11/25/2008 1300

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1602	Analyst DLB	Prep Date	Batch 90938		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	1.5		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	1.2		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	0.17	J	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	0.91	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-003

Description: MW-3

Matrix: Aqueous

Date Sampled: 11/25/2008 1300

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1602	Analyst DLB	Prep Date	Batch 90938
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Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	0.88	J	1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Bromofluorobenzene		104	70-130						
Toluene-d8		108	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-003

Description: MW-3

Matrix: Aqueous

Date Sampled: 11/25/2008 1300

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2237	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0203	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.065		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0012	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.010		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.017		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00084	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-004

Description: MW-4

Matrix: Aqueous

Date Sampled: 11/25/2008 1330

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1625	Analyst DLB	Prep Date	Batch 90938
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Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	0.56	J	1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	0.91	J	1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.21	J	1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.41	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental	Laboratory ID: JK26047-004
Description: MW-4	Matrix: Aqueous
Date Sampled: 11/25/2008 1330	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1625	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery		Acceptance Limits						
1,2-Dichloroethane-d4		98		70-130						
Bromofluorobenzene		102		70-130						
Toluene-d8		104		70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-004

Description: MW-4

Matrix: Aqueous

Date Sampled: 11/25/2008 1330

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2238	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0207	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.077		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0033		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0058		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000056	J	0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00053	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-005

Description: MW-5

Matrix: Aqueous

Date Sampled: 11/25/2008 1400

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1646	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	2.4		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	10		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	3.1		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	18		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.35	J	1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.85	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental	Laboratory ID: JK26047-005
Description: MW-5	Matrix: Aqueous
Date Sampled: 11/25/2008 1400	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1646	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	0.71	J	1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 Q	% Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96		70-130						
Bromofluorobenzene		102		70-130						
Toluene-d8		105		70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-005

Description: MW-5

Matrix: Aqueous

Date Sampled: 11/25/2008 1400

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2240	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0230	MNM	11/28/2008 1340	90725
2	3005A	6010B	1	12/02/2008 1142	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.0045	J	0.0050	0.0040	mg/L	2
Barium	7440-39-3	6010B	0.15		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.00064	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0081		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.014		0.0050	0.0026	mg/L	2
Silver	7440-22-4	6010B	0.00065	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-006

Matrix: Aqueous

Description: MW-5A

Date Sampled: 11/25/2008 1430

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1706	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental	Laboratory ID: JK26047-006
Description: MW-5A	Matrix: Aqueous
Date Sampled: 11/25/2008 1430	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1706	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 Q	% Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96		70-130						
Bromofluorobenzene		102		70-130						
Toluene-d8		104		70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-006

Description: MW-5A

Matrix: Aqueous

Date Sampled: 11/25/2008 1430

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2243	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0234	MNM	11/28/2008 1340	90725
2	3005A	6010B	1	12/02/2008 1146	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.076		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0042		0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental	Laboratory ID: JK26047-007
Description: MW-6	Matrix: Aqueous
Date Sampled: 11/25/2008 1145	
Date Received: 11/26/2008	

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1727	Analyst DLB	Prep Date	Batch 90938		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	0.18	J	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	1.3		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanoine		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	4.2		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	0.72	J	1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-007

Description: MW-6

Matrix: Aqueous

Date Sampled: 11/25/2008 1145

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1727	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,2-Dichloroethane-d4		99	70-130							
Bromofluorobenzene		101	70-130							
Toluene-d8		86	70-130							

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental	Laboratory ID: JK26047-007
Description: MW-6	Matrix: Aqueous
Date Sampled: 11/25/2008 1145	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2244	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0242	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.0047	J	0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.21		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0027		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.015		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.019		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.0037	J	0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0011	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-008

Matrix: Aqueous

Description: TW-2

Date Sampled: 11/25/2008 1100

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1748	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND	20	6.7	ug/L	1	
Acrylonitrile		107-13-1		8260B	ND	20	1.2	ug/L	1	
Benzene		71-43-2		8260B	ND	1.0	0.13	ug/L	1	
Bromochloromethane		74-97-5		8260B	ND	1.0	0.16	ug/L	1	
Bromodichloromethane		75-27-4		8260B	ND	1.0	0.33	ug/L	1	
Bromoform		75-25-2		8260B	ND	1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)		74-83-9		8260B	ND	2.0	0.81	ug/L	1	
2-Butanone (MEK)		78-93-3		8260B	ND	10	2.0	ug/L	1	
Carbon disulfide		75-15-0		8260B	ND	1.0	0.097	ug/L	1	
Carbon tetrachloride		56-23-5		8260B	ND	1.0	0.14	ug/L	1	
Chlorobenzene		108-90-7		8260B	ND	1.0	0.33	ug/L	1	
Chloroethane		75-00-3		8260B	ND	2.0	0.47	ug/L	1	
Chloroform		67-66-3		8260B	ND	1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)		74-87-3		8260B	ND	1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND	1.0	0.60	ug/L	1	
Dibromochloromethane		124-48-1		8260B	ND	1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND	1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND	1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND	2.0	0.83	ug/L	1	
1,2-Dichlorobenzene		95-50-1		8260B	ND	1.0	0.33	ug/L	1	
1,4-Dichlorobenzene		106-46-7		8260B	ND	1.0	0.33	ug/L	1	
1,1-Dichloroethane		75-34-3		8260B	ND	1.0	0.13	ug/L	1	
1,2-Dichloroethane		107-06-2		8260B	ND	1.0	0.15	ug/L	1	
1,1-Dichloroethene		75-35-4		8260B	ND	1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene		156-59-2		8260B	ND	1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene		156-60-5		8260B	ND	1.0	0.20	ug/L	1	
1,2-Dichloropropane		78-87-5		8260B	ND	1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene		10061-01-5		8260B	ND	1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene		10061-02-6		8260B	ND	1.0	0.10	ug/L	1	
Ethylbenzene		100-41-4		8260B	ND	1.0	0.33	ug/L	1	
2-Hexanone		591-78-6		8260B	ND	10	0.27	ug/L	1	
Methyl iodide (Iodomethane)		74-88-4		8260B	ND	5.0	1.2	ug/L	1	
4-Methyl-2-pentanone		108-10-1		8260B	ND	10	0.31	ug/L	1	
Methylene chloride		75-09-2		8260B	ND	1.0	0.33	ug/L	1	
Styrene		100-42-5		8260B	ND	1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND	1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND	1.0	0.16	ug/L	1	
Tetrachloroethene		127-18-4		8260B	2.0	1.0	0.13	ug/L	1	
Toluene		108-88-3		8260B	ND	1.0	0.33	ug/L	1	
1,1,1-Trichloroethane		71-55-6		8260B	ND	1.0	0.074	ug/L	1	
1,1,2-Trichloroethane		79-00-5		8260B	ND	1.0	0.21	ug/L	1	
Trichloroethene		79-01-6		8260B	ND	1.0	0.18	ug/L	1	
Trichlorofluoromethane		75-69-4		8260B	ND	1.0	0.30	ug/L	1	
1,2,3-Trichloropropane		96-18-4		8260B	ND	1.0	0.33	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-008

Description: TW-2

Matrix: Aqueous

Date Sampled: 11/25/2008 1100

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1748	DLB		90938

Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		100	70-130						
Bromofluorobenzene		101	70-130						
Toluene-d8		95	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-008

Description: TW-2

Matrix: Aqueous

Date Sampled: 11/25/2008 1100

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2245	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0245	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.068		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	7.0		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0064		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.49		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.20		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000073	J	0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.044		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.023		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-009

Description: TW-3

Matrix: Aqueous

Date Sampled: 11/25/2008 1130

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1809	Analyst DLB	Prep Date	Batch 90938
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Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	0.15	J	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	0.27	J	10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	2.1		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental	Laboratory ID: JK26047-009
Description: TW-3	Matrix: Aqueous
Date Sampled: 11/25/2008 1130	
Date Received: 11/26/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	12/02/2008 1809	DLB		90938			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery		Acceptance Limits						
1,2-Dichloroethane-d4		98		70-130						
Bromofluorobenzene		102		70-130						
Toluene-d8		93		70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-009

Description: TW-3

Matrix: Aqueous

Date Sampled: 11/25/2008 1130

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2246	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0250	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.0044	J	0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.41		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0021		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.020		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.021		0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000063	J	0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.0034	J	0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00043	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-010

Description: Upstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1500

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1830	Analyst DLB	Prep Date	Batch 90938
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Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-010

Description: Upstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1500

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1830	DLB		90938

Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Bromofluorobenzene		102	70-130						
Toluene-d8		102	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-010

Description: Upstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1500

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2247	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0254	MNM	11/28/2008 1340	90725
2	3005A	6010B	1	12/02/2008 1154	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.055		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0054		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0044		0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	0.0034	J	0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-011

Description: Downstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1230

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1851	Analyst DLB	Prep Date	Batch 90938
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Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	20	6.7	ug/L	1	
Acrylonitrile	107-13-1	8260B	ND	20	1.2	ug/L	1	
Benzene	71-43-2	8260B	ND	1.0	0.13	ug/L	1	
Bromochloromethane	74-97-5	8260B	ND	1.0	0.16	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND	1.0	0.33	ug/L	1	
Bromoform	75-25-2	8260B	ND	1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	2.0	0.81	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND	10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND	1.0	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND	1.0	0.14	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND	1.0	0.33	ug/L	1	
Chloroethane	75-00-3	8260B	ND	2.0	0.47	ug/L	1	
Chloroform	67-66-3	8260B	ND	1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	1.0	0.60	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND	1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND	1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND	2.0	0.83	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND	1.0	0.33	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND	1.0	0.33	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND	1.0	0.13	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND	1.0	0.15	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND	1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND	1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND	1.0	0.20	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND	1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	1.0	0.10	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND	1.0	0.33	ug/L	1	
2-Hexanone	591-78-6	8260B	ND	10	0.27	ug/L	1	
Methyl iodide (Iodomethane)	74-88-4	8260B	ND	5.0	1.2	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	0.31	ug/L	1	
Methylene chloride	75-09-2	8260B	ND	1.0	0.33	ug/L	1	
Styrene	100-42-5	8260B	ND	1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND	1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	1.0	0.16	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND	1.0	0.13	ug/L	1	
Toluene	108-88-3	8260B	ND	1.0	0.33	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND	1.0	0.074	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND	1.0	0.21	ug/L	1	
Trichloroethene	79-01-6	8260B	ND	1.0	0.18	ug/L	1	
Trichlorofluoromethane	75-69-4	8260B	ND	1.0	0.30	ug/L	1	
1,2,3-Trichloropropane	96-18-4	8260B	ND	1.0	0.33	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-011

Description: Downstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1230

Date Received: 11/26/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 12/02/2008 1851	Analyst DLB	Prep Date	Batch 90938
----------	----------------------	----------------------------	---------------	----------------------------------	----------------	-----------	----------------

Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		99	70-130						
Bromofluorobenzene		101	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Client: Buxton Environmental

Laboratory ID: JK26047-011

Description: Downstream

Matrix: Aqueous

Date Sampled: 11/25/2008 1230

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	12/01/2008 2248	BNW	12/01/2008 1750	90848
1	3005A	6010B	1	12/02/2008 0305	MNM	11/28/2008 1340	90725
2	3005A	6010B	1	12/02/2008 1158	MNM	11/28/2008 1340	90725

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.030		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0063		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0028	J	0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	0.000058	J	0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-012

Matrix: Aqueous

Description: Trip Blank

Date Sampled: 11/26/2008 1610

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1912	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND	20	6.7	ug/L	1	
Acrylonitrile	107-13-1	8260B	ND	20	1.2	ug/L	1	
Benzene	71-43-2	8260B	ND	1.0	0.13	ug/L	1	
Bromochloromethane	74-97-5	8260B	ND	1.0	0.16	ug/L	1	
Bromodichloromethane	75-27-4	8260B	ND	1.0	0.33	ug/L	1	
Bromoform	75-25-2	8260B	ND	1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	2.0	0.81	ug/L	1	
2-Butanone (MEK)	78-93-3	8260B	ND	10	2.0	ug/L	1	
Carbon disulfide	75-15-0	8260B	ND	1.0	0.097	ug/L	1	
Carbon tetrachloride	56-23-5	8260B	ND	1.0	0.14	ug/L	1	
Chlorobenzene	108-90-7	8260B	ND	1.0	0.33	ug/L	1	
Chloroethane	75-00-3	8260B	ND	2.0	0.47	ug/L	1	
Chloroform	67-66-3	8260B	ND	1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	1.0	0.60	ug/L	1	
Dibromochloromethane	124-48-1	8260B	ND	1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND	1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND	2.0	0.83	ug/L	1	
1,2-Dichlorobenzene	95-50-1	8260B	ND	1.0	0.33	ug/L	1	
1,4-Dichlorobenzene	106-46-7	8260B	ND	1.0	0.33	ug/L	1	
1,1-Dichloroethane	75-34-3	8260B	ND	1.0	0.13	ug/L	1	
1,2-Dichloroethane	107-06-2	8260B	ND	1.0	0.15	ug/L	1	
1,1-Dichloroethene	75-35-4	8260B	ND	1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene	156-59-2	8260B	ND	1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene	156-60-5	8260B	ND	1.0	0.20	ug/L	1	
1,2-Dichloropropane	78-87-5	8260B	ND	1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	1.0	0.10	ug/L	1	
Ethylbenzene	100-41-4	8260B	ND	1.0	0.33	ug/L	1	
2-Hexanone	591-78-6	8260B	ND	10	0.27	ug/L	1	
Methyl iodide (Iodomethane)	74-88-4	8260B	ND	5.0	1.2	ug/L	1	
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	0.31	ug/L	1	
Methylene chloride	75-09-2	8260B	ND	1.0	0.33	ug/L	1	
Styrene	100-42-5	8260B	ND	1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND	1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	1.0	0.16	ug/L	1	
Tetrachloroethene	127-18-4	8260B	ND	1.0	0.13	ug/L	1	
Toluene	108-88-3	8260B	ND	1.0	0.33	ug/L	1	
1,1,1-Trichloroethane	71-55-6	8260B	ND	1.0	0.074	ug/L	1	
1,1,2-Trichloroethane	79-00-5	8260B	ND	1.0	0.21	ug/L	1	
Trichloroethene	79-01-6	8260B	ND	1.0	0.18	ug/L	1	
Trichlorofluoromethane	75-69-4	8260B	ND	1.0	0.30	ug/L	1	
1,2,3-Trichloropropane	96-18-4	8260B	ND	1.0	0.33	ug/L	1	

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P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JK26047-012

Description: Trip Blank

Matrix: Aqueous

Date Sampled: 11/26/2008 1610

Date Received: 11/26/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/02/2008 1912	DLB		90938

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		100	70-130					
Bromofluorobenzene		102	70-130					
Toluene-d8		104	70-130					

PQL = Practical quantitation limit

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J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

SHEALY ENVIRONMENTAL SERVICES, INC.

Number 95887

SHEALY Chain of Custody Record

106 Vantage Point Drive

West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111



Client Kurtz Environmental, Inc.	Address 1101 South 8th St #101	Report & Contact 165 Kargent X Printed Name:	Sample No. 114-2023	Release No./Fax No./E-mail 114-1450	Release No.
City Charleston	State SC	Signature	Date	Wavetrap No.	Date No.
Comments for each sample may be handwritten or typed.					
Analysis (check all that more space is needed):					
Project No. Catalou Co - Autex Landfill					
P.O. No.	Date	Time	Rank	No. of Conductors by Frequency Type	Lot No.
11-25081215C-1	11/12/08	12:45	C-1	1 4	TK26047 Benton, GA
MW-1	11	13:00	C-1	1 4	
MW-2	11	14:00	C-1	1 4	
MW-3	11	13:00	C-1	1 4	
MW-4	11	13:30	C-1	1 4	
MW-5	11	14:00	C-1	1 4	
MW-SA	11	14:30	C-1	1 4	
MW-La	11	14:45	C-1	1 4	
TW-2	11	11:45	C-1	1 4	
TW-3 Upstream	11	11:50	C-1	1 4	
Downstream	11	12:30	C-1	1 4	
Third Blank	11-3-08	12:30	C-1	1 4	
Previous Handler Information					
Mr. Richard J. Flannery	Site Manager	Unknown	Received by Lab	Released to Client	Disposal by Lab
Turn Around Time Required: Please list approximate turnaround time required (if applicable):					
1. Prepared by _____ Richard J. Flannery					
2. Received by _____ Kurtz Environmental					
3. Analyzed by _____ LARGE USE ONLY					
Comments _____					
DISTRIBUTION: Autex & Relocation Company with Signature: (mark with checkmark)					
Received by _____ Date _____ 11-8-C					

Received Number: T-46-212 Estimated Date: 06/06/09

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-ADL-WH
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/05
Effective Date: 09/29/07

Sample Receipt Checklist (SRC)

Client: Buxton

Cooler Inspected by/date: ECU 11/126/08 Lot #: JK26047

Means of receipt: <input checked="" type="checkbox"/> SESI <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Airborne Exp <input type="checkbox"/> Other		
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
1. Were custody seals present on the cooler?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
2. If custody seals were present, were they intact and unbroken?		
Cooler ID/temperature upon receipt: <u>1.8</u> / <u> </u> °C		
/ <u> </u> °C		
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles		
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately).		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
4. Is the commercial courier's packing slip attached to this form?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
5. Were proper custody procedures (relinquished/received) followed?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
6. Were sample IDs listed?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
7. Was collection date & time listed?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
8. Were tests to be performed listed on the COC or was quote # provided?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
9. Did all samples arrive in the proper containers for each test?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
10. Did all container label information (ID, date, time) agree with COC?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
11. Did all containers arrive in good condition (unbroken, lids on, etc.)?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
12. Was adequate sample volume available?		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
14. Were any sample containers missing?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
15. Were there any excess samples not listed on COC?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
17. Were all metals/O&G/SEM/nutrient samples received at a pH of <2?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
18. Were all cyanide and/or sulfide samples received at a pH >12?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
19. Were all applicable NH ₃ /TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?		
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
20. Were collection temperatures documented on the COC for NC samples?		
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH ₃ /TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes No

Did client respond: Yes No

SESI employee: _____

Date of response: _____

Comments: _____

APPENDIX B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

MW-1

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS	
Appendix I VOC's																										
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	BDL	BDL	13	7.2	16	20	26	18	17	11.5	14.6	5	8	5	5.5	12	2	6.2	13	BDL	14	3.8	3.5	1	50	
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	6	8	BDL	BDL	4.2	4.9	2.4	2.7	BDL	1.6	2.8	BDL	1.2	3.4	BDL	2.6	0.82J	1.1	0.57J	1.4		
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
RCRA Metals																										
Arsenic	BDL	6	BDL	BDL	BDL	16	30	BDL	BDL	BDL	14	6.1	8.4	BDL	6.3	6	BDL	BDL	4.1J	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	510	1,800	490	1,100	BDL	540	840	1,000	BDL	335	384	190	200	230	380	320	140	400	390	120	240	170	170	74	2,000	
Cadmium	2	6	3	5.3	1	5	16	10	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	1.75	
Chromium	32	54	27	48	BDL	22	45	82	14	BDL	9	BDL	14	28	11	BDL	15	12	BDL	14	2.3J	BDL	BDL	BDL	50	
Lead	35	43	41	49	BDL	21	53	96	BDL	BDL	5	BDL	120	36	48	18	11	19	860	450	160	40	500	530	15	
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17.5	
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-2

**HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA**

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS			
Appendix I VOC's																												
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10J	700	
Benzene	5	BDL	BDL	5	BDL	BDL	5	BDL	3.5	4	3.8	3.4	2.2	4.2	3.1	3.2	2.6	3	2.9	2.4	2.6	3.1	3.4	3.1	3.4	1		
Carbon Disulfide	29	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	1.5	BDL	700														
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	5	BDL	5	5.4	5	4.8	4.2	3.4	2.3	5.2	5.3	4.4	4.5	5.5	5.2	5.5	4.8	6.1	6.6	50			
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,800		
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700		
1,4-Dichlorobenzene	20	19	19	16	26	28	20	24	23.9	23.5	21	11	12	17	16	14	16	19	17	16	15	19	21	1.4				
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700		
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50		
cis-1,2-Dichloroethene	9.2	12	BDL	8.5	BDL	11	BDL	6	BDL	BDL	2	26	5	3.3	8.4	13	8.4	13	6.7	2.1	BDL	3.9	2	1	1.2	70		
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50		
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50		
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.6		
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560		
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100		
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000		
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530		
RCRA Metals																												
Arsenic	7	BDL	BDL	6.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.6	5.2	9.8	12	7.8	13	7.9	12	11	50
Barium	1,100	1,000	1,600	1,000	590	800	BDL	BDL	609	686	720	120	720	780	610	600	590	670	910	480	51	650	580	2,000				
Cadmium	14	15	2	3.5	BDL	6	12	3	1	BDL	4	BDL	BDL	2.3	BDL	0.94J	1.75											
Chromium	25	83	44	20	BDL	10	BDL	BDL	6	BDL	BDL	11	BDL	BDL	7.1	BDL	50											
Lead	30	54	49	180	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	10	BDL	5.8	BDL	7	BDL	BDL	8.9	14	15				
Mercury	BDL	BDL	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05		
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	17	BDL	50													
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530		

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds
bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)
B = detected in method blank

J = estimated result <PQL and >=MDL

MW-3

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS	
Appendix I VOC's																										
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.9	2	1.6	BDL	BDL	1.2	1.4	BDL	1.4	1.5	1.3	1.4	2.1	1.1	1.5	1		
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.2	BDL	BDL															
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
cis-1,2-Dichloroethene	13	10	BDL	8.1	9	17	9	16	12	24.6	10.2	6.4	2.8	1.8	8.1	5.6	2.9	5.7	6.1	1.7	4.2	4.8	1.3	0.91J	70	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.8	7.4	BDL	BDL	BDL	2.2	BDL	BDL	2.4	BDL	BDL	1.8	2.3	BDL	0.88J	0.015		
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
RCRA Metals																										
Arsenic	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Barium	420	350	380	BDL	BDL	BDL	BDL	BDL	680	BDL	BDL	213	73	110	81	700	390	740	120	380	390	200	260	820	63	65
Cadmium	BDL	2	BDL	BDL	2	3	17	BDL	BDL	1	BDL	BDL	BDL	3.6	BDL	BDL	BDL	2,000								
Chromium	31	25	27	41	BDL	13	50	BDL	BDL	BDL	BDL	BDL	50	31	53	BDL	29	30	12	22	63	BDL	BDL	BDL	BDL	50
Lead	20	20	24	23	BDL	BDL	44	BDL	BDL	BDL	BDL	BDL	28	15	43	BDL	25	13	6.5	14	14	BDL	10	15		
Mercury	BDL	BDL	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	19	BDL	9.4	BDL	BDL	BDL	6.3	BDL	BDL	6.1B	BDL	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >MDL

rk:table:authistgw.mw3

MW-4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	10/00	5/01	12/01	7/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS		
Appendix I VOC's																										
Acetone	BDL	BDL	450	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	9	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichloroethane	5.1	BDL	BDL	24	BDL	7	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
cis-1,2-Dichloroethene	8.4	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000	
RCRA Metals																										
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Barium	1,500	490	160	2,400	BDL	BDL	BDL	BDL	79	65	80	91	200	270	310	120	150	120	220	54	77	62	77	2,000	50	
Cadmium	14	4	BDL	1.7	2	2	BDL	BDL	1	BDL	BDL	BDL	BDL	1.1	3.4	BDL	BDL	1.2	1.3J	1.9J	BDL	3.3	1.75			
Chromium	150	44	6	15	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	18	26	27	BDL	9.6	5.8	21	3J	BDL	3.3	BDL	50		
Lead	110	32	13	27	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	5.2	14	16	3.8	BDL	3.8	8.5	BDL	BDL	BDL	5.8	15		
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Mercury	BDL	BDL	BDL	2.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05J	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

rk:table:authstgw.mw4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS	
Appendix I VOC's																										
Acetone	BDL	BDL	BDL	29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4BJ	BDL	700
Benzene	8.2	BDL	BDL	8	BDL	9	BDL	6	BDL	34	8.5	BDL	4.7	2.4	3.1	1.6	3	2	4	0.69J	3.6	2.4				1
Carbon Disulfide	5.9	9.4	BDL	BDL	13	BDL	BDL	39	BDL	BDL	4.1	BDL	3.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Chlorobenzene	8.3	6.1	13	BDL	17	BDL	20	6	22	BDL	3.7	6.7	15	2.1	18	13	9	11	12	15	18	2.3	10	10	50	
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,800	
Chromomethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6
1,2-Dichlorobenzene	5.8	BDL	7.6	BDL	7	BDL	BDL	BDL	6.9	BDL	BDL	1.4	4.6	BDL	5.1	4.2	4.7	5.5	3	4.9	5	0.56J	2.9	3.1	24	
1,4-Dichlorobenzene	31	16	45	BDL	39	6	48	8	36	2.8	6.2	8.8	30	6.6	25	BDL	26	32	18	22	24	5.2	16	18		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	1.4	BDL	1.1	BDL	BDL	BDL	0.97J	BDL	0.43J	0.35J	70	
1,2-Dichloroethane	19	15	17	BDL	14	7	7	5.2	BDL	BDL	BDL	BDL	3.2	1.3	1.6	BDL	BDL	1.7	BDL	1.2	BDL	BDL	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	11	6.7	5.4	BDL	6	BDL	BDL	5	BDL	BDL	BDL	BDL	3.2	1.8	1.9	1.9	2.1	1.4	1.9	2.1	1.2	2.4	1.2	0.65J	0.85J	70
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17J	BDL	BDL	BDL	BDL	100
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	0.41J	1.1	0.71J	0.015	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530
RCRA Metals																										
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	9.8	6.5	BDL	BDL	6.6	BDL	7.3	5.8	12	4.6J	4.5J	50
Barium	240	510	450	620	BDL	620	BDL	BDL	75	97	120	91	180	520	310	300	280	250	320	240	300	180	150	150	2,000	
Cadmium	BDL	4	2	1	3	6	2	2	BDL	BDL	BDL	BDL	2.2	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2J	BDL	0.64J	1.75	
Chromium	BDL	10	3	35	BDL	14	BDL	BDL	BDL	BDL	12	BDL	BDL	11	BDL	BDL	5.9	BDL	BDL	4.3J	6.3	BDL	BDL	BDL	50	
Lead	7	28	22	26	24	24	24	24	BDL	BDL	BDL	BDL	12	7.4	BDL	10	BDL	BDL	2.6J	BDL	8.6	8.1	15			
Mercury	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05	
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	9.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.6J	BDL	BDL	BDL	BDL	17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

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VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-5A

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS
Appendix I VOC's																		
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9J	2.8BJ	BDL	BDL
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16J	BDL	BDL	700
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J	BDL	BDL	70
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8	BDL	BDL	BDL
RCRA Metals																		
Arsenic	BDL	BDL	BDL	BDL	BDL	5.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	BDL	BDL	59	60	100	140	130	140	120	170	110	150	140	160	82	87	76	2,000
Cadmium	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	2.2	BDL	BDL	1.75
Lead	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6J	5.3	4.2	15
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.81BJ	BDL	0.96J	BDL

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

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HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	10/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS
Appendix I VOC's																		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18J
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	1.3	BDL	70							
Tetrachloroethene	18	6.9	6	3.4	4.6	BDL	BDL	4.9	4.1	2.8	3.8	3.5	3.4	BDL	3.2	3.5	4.2	0.7
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37J	0.46J	0.72J
RCRA Metals																		
Arsenic	180	BDL	15	54	BDL	BDL	21	29	24	BDL	33	22	24	BDL	BDL	BDL	BDL	4.7J
Barium	4,600	BDL	504	1,720	48	120	820	1,500	1,700	540	1,700	1,300	1,400	65	51	65	210	2,000
Cadmium	16	BDL	BDL	3	BDL	BDL	BDL	6	BDL	2.7								
Chromium	340	BDL	44	134	BDL	BDL	59	130	110	10	120	97	120	4.1J	BDL	2.8J	15	50
Lead	240	BDL	10	61	BDL	BDL	24	41	62	11	60	41	61	8.5	BDL	6.2	19	15
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	7.1	BDL	BDL	3.2BJ	0.54J	3.7J	50	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1J	
																		17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS
data presented in micrograms per liter (µg/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

TW-1

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS
Appendix I VOC's													
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	NT	NT	0.19J	NT	NT	NT	NT	0.7
Toluene	BDL	170	BDL	BDL	BDL	NT	NT	BDL	NT	NT	NT	NT	1,000
RCRA Metals													
Arsenic	BDL	14	BDL	15	BDL	NT	NT	24J	NT	NT	NT	NT	50
Barium	180	940	120	980	400	NT	NT	8,200	NT	NT	NT	NT	2,000
Cadmium	BDL	BDL	BDL	BDL	BDL	NT	NT	9.8J	NT	NT	NT	NT	1.75
Chromium	BDL	46	BDL	28	2.2	NT	NT	240	NT	NT	NT	NT	50
Lead	3.1	60	BDL	370	170	NT	NT	5,200	NT	NT	NT	NT	15
Mercury	BDL	BDL	BDL	BDL	BDL	NT	NT	0.071I	NT	NT	NT	NT	1.05
Silver	BDL	BDL	BDL	BDL	BDL	NT	NT	8.6BJ	NT	NT	NT	NT	17.5
Selenium	BDL	6.9	BDL	BDL	BDL	NT	NT	25	NT	NT	NT	NT	50

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

NT = not tested (TW-1 was dry and unable to be sampled)

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

TW-2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS
Appendix I VOC's													
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9BJ	BDL	BDL	700
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.59J	BDL	BDL	70
4-Methyl-2-Pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.57J	BDL	BDL	560
Tetrachloroethene	2	BDL	2.7	3.6	2.7	6.2	6.6	7.2	6.4	6.8	4.1	2	0.7
RCRA Metals													
Arsenic	BDL	BDL	BDL	7.4	BDL	1.4	BDL	19	BDL	BDL	BDL	BDL	50
Barium	210	76	240	1,200	880	1,300	100	2,600	120	220	190	7,000	2,000
Cadmium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4	1.75	
Chromium	7.2	BDL	18	66	BDL	83	BDL	180	7.1	12	6.2	490	50
Lead	7.2	BDL	5.7	31	9.1	30	BDL	58	3.8	BDL	8.9	200	15
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.073J	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.4BJ	BDL	44	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	23	17.5	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED AUTEN LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	11/08	NCGPS
Appendix I VOC's													
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Carbon Disulfide	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,800
1,1-Dichloroethane	BDL	1	1.6	1.4	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.15J
cis-1,2-Dichloroethene	6.8	33	11	6.7	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.13J
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Tetrachloroethene	6	16	10	7.9	4	3.7	1.9	BDL	BDL	BDL	BDL	BDL	0.27J
Trichloroethene	3.4	12	4.2	2.7	1.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	280
RCRA Metals													
Arsenic	BDL	BDL	BDL	BDL	5.3	9	15	11	4.1J	BDL	8.3	4.4	50
Barium	220	490	210	180	510	500	1,200	800	240	280	560	410	2,000
Cadmium	BDL	BDL	BDL	1.4	11	1.4	4.8	3.5	3	2.3	2.8	2.1	1.75
Chromium	BDL	11	6.2	5.6	5.3	23	62	46	9.8	1.5	30	20	50
Lead	BDL	BDL	BDL	8.2	4.3	13	39	24	5	7	29	21	15
Mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.063J
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.43J
													17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

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VOC's = volatile organic compounds
bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

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